

## CLAIMS

1. A laminated glass,  
wherein at least an interlayer film for laminated  
5 glasses and a glass sheet are laminated and unified, Head  
Injury Criteria (HIC) values, measured according to  
regulations of European Enhanced Vehicle-safety Committee;  
EEVC/WG 17, being 1,000 or lower.
- 10 2. A laminated glass,  
wherein at least an interlayer film for laminated  
glasses and a glass sheet are laminated and unified, Head  
Injury Criteria (HIC) values, measured by dropping an  
15 impactor head from a height of 4 m above the surface of the  
laminated glass according to regulations of Economic  
Commission for Europe; ECE-Regulation No. 43 Annex 3, being  
300 or lower.
- 20 3. The laminated glass according to Claim 1 or 2,  
wherein the interlayer film for laminated glasses  
contains a plasticizer for interlayer films in an amount 30  
parts by weight or more per 100 parts by weight of  
polyvinyl acetal resin.
- 25 4. The laminated glass according to Claim 1, 2 or 3,  
wherein the interlayer film for laminated glasses has  
a storage elasticity modulus  $G'$  in a linear dynamic  
viscoelasticity test, measured with frequencies being  
varied at 20°C in a range of frequencies of  $5.0 \times 10^1$  to  
30  $1.0 \times 10^2$  Hz, of  $3 \times 10^7$  Pa or lower.
5. The laminated glass according to Claim 1, 2, 3 or  
4,  
wherein the interlayer film for laminated glasses has  
35  $\tan \delta$  of at least one point of 0.6 or more at 20°C in a

range of frequencies of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz.

6. The laminated glass according to Claim 1, 2, 3, 4 or 5,

5        wherein the interlayer film for laminated glasses has maximum stress  $\sigma$  of 20 MPa or lower and fracture point deformation  $\epsilon$  of 200% or more, derived from a stress-deformation curve at 20°C and a tensile speed of 500%/min.

10       7. The laminated glass according to Claim 6, wherein the interlayer film for laminated glasses has breaking energy of  $1.0 \text{ J/mm}^2$  or larger.

15       8. The laminated glass according to Claim 4, 5, 6 or 7,

      wherein the interlayer film for laminated glasses comprises a crosslinked polyvinyl acetal resin having an acetalization degree of 60 to 85 mol% and contains a plasticizer for interlayer films in an amount 40 parts by weight or more per 100 parts by weight of the above-mentioned polyvinyl acetal resin.

25       9. The laminated glass according to Claim 8, wherein the interlayer film for laminated glasses has a thickness of 800  $\mu\text{m}$  or more.

      10. The laminated glass according to Claim 4, 5, 6, 7, 8 or 9,

30       wherein the interlayer film for laminated glasses comprises a polyvinyl acetal resin having a half band width of a peak of a hydroxyl group of  $250 \text{ cm}^{-1}$  or lower in measuring infrared absorption spectra.

35       11. The laminated glass according to Claim 4, 5, 6, 7, 8, 9 or 10,

wherein rubber particles are dispersed in the interlayer film for laminated glasses.

12. The laminated glass according to Claim 1, 2, 3,  
5 4, 5, 6, 7, 8, 9, 10 or 11,

wherein the interlayer film for laminated glasses has a multilayer structure.

13. The laminated glass according to Claim 12,  
10 wherein the interlayer film for laminated glasses has a two-layers structure and a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one layer is at or below a half of a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in  
15 the other layer.

14. The laminated glass according to Claim 13,  
wherein the storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one layer is  $2 \times 10^6$  Pa or lower and the storage elasticity modulus  $G'$  at  
20 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in the other layer is  $1 \times 10^7$  Pa or higher.

15. The laminated glass according to Claim 14,  
25 wherein the layer having a storage elasticity modulus  $G'$  of  $2 \times 10^6$  Pa or lower at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz has  $\tan \delta$  of 0.7 or more at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz.

16. The laminated glass according to Claim 12,  
30 wherein the interlayer film for laminated glasses has a three-layers structure and a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in an intermediate layer is at or below a half of a storage  
35 elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$

to  $1.0 \times 10^2$  Hz in one or any of two layers composing the outermost layer.

17. The laminated glass according to Claim 16,  
5 wherein a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in the intermediate layer is  $2 \times 10^6$  Pa or lower and a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two layers composing the outermost  
10 layer is  $1 \times 10^7$  Pa or higher.

18. The laminated glass according to Claim 17,  
wherein the intermediate layer has  $\tan \delta$  of 0.7 or more at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz.  
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19. The laminated glass according to Claim 16, 17 or 18,  
wherein a thickness of the intermediate layer is 10% or higher of a total thickness of the interlayer film for  
20 laminated glasses.

20. The laminated glass according to Claim 12,  
wherein the interlayer film for laminated glasses has a three-layers structure and a storage elasticity modulus  
25  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two layers composing the outermost layer is at or below a half of a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in an intermediate layer.  
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21. The laminated glass according to Claim 20,  
wherein a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two layers composing the outermost layer is  $2 \times 10^6$  Pa or lower  
35 and a storage elasticity modulus  $G'$  at 20°C and a frequency

of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in the intermediate layer is  $1 \times 10^7$  Pa or higher.

22. The laminated glass according to Claim 21,  
5 wherein  $\tan \delta$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two layers composing the outermost layer is 0.7 or more.

23. The laminated glass according to Claim 20, 21 or  
10 22,  
wherein a total thickness of the outermost layer is 10% or higher of a total thickness of the interlayer film for laminated glasses.

24. The laminated glass according to Claim 12,  
15 wherein the interlayer film for laminated glasses has a multilayer structure of four-layers or more and a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in at least one layer of an intermediate  
20 layer is at or below a half of a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two layers composing the outermost layer.

25. The laminated glass according to Claim 24,  
25 wherein a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in at least one layer of the intermediate layer is  $2 \times 10^6$  Pa or lower and a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two layers  
30 composing the outermost layer is  $1 \times 10^7$  Pa or higher.

26. The laminated glass according to Claim 25,  
wherein the intermediate layer having a storage elasticity modulus  $G'$  of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz being  $2 \times 10^6$  Pa or lower at 20°C and a frequency has  $\tan \delta$  of 0.7  
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or more at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz.

27. The laminated glass according to Claim 25 or 26,  
wherein a total thickness of the intermediate layer  
5 having a storage elasticity modulus  $G'$  of  $2 \times 10^6$  Pa or  
lower at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz  
is 10% or higher of a total thickness of the interlayer  
film for laminated glasses.

10 28. The laminated glass according to Claim 17, 18,  
19, 25, 26 or 27,

wherein the intermediate layer having a storage  
elasticity modulus  $G'$  of  $2 \times 10^6$  Pa or lower at 20°C and a  
frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz is biased to the  
15 side of either surface layer with respect to the thickness  
direction of the interlayer film for laminated glasses.

29. The laminated glass according to Claim 12,  
wherein the interlayer film for laminated glasses has  
20 a multilayer structure of four-layers or more and a storage  
elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$   
to  $1.0 \times 10^2$  Hz in one or any of two layers composing the  
outermost layer is at or below a half of a storage  
elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$   
25 to  $1.0 \times 10^2$  Hz in at least one layer of an intermediate  
layer.

30. The laminated glass according to Claim 29,  
wherein a storage elasticity modulus  $G'$  at 20°C and a  
30 frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two  
layers composing the outermost layer is  $2 \times 10^6$  Pa or lower  
and a storage elasticity modulus  $G'$  at 20°C and a frequency  
of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in at least one layer of the  
intermediate layer is  $1 \times 10^7$  Pa or higher.

31. The laminated glass according to Claim 30,  
wherein  $\tan \delta$  at 20°C and a frequency of  $5.0 \times 10^1$  to  
 $1.0 \times 10^2$  Hz in one or any of two layers composing the  
outermost layer is 0.7 or more.

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32. The laminated glass according to Claim 29, 30 or  
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wherein a total thickness of the outermost layer is  
10% or higher of a total thickness of the interlayer film  
for laminated glasses.

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33. The laminated glass according to Claim 21, 22,  
23, 30, 31 or 32,

wherein the intermediate layer having the storage  
elasticity modulus  $G'$  of  $1 \times 10^7$  Pa or higher at 20°C and a  
frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz is biased to the  
side of either surface layer with respect to the thickness  
direction of the interlayer film for laminated glasses.

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34. The laminated glass according to Claim 12, 16,  
17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31,  
32 or 33,

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wherein the interlayer film for laminated glasses has  
a multilayer structure of three-layers or more and each  
layer has wedged form and the layer having wedged form is  
alternately overlaid with the layer of wedged form having a  
small storage elasticity modulus  $G'$  taken as an  
intermediate layer so that an overall thickness becomes  
uniform.

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35. The laminated glass according to Claim 1 or 2,  
wherein the interlayer film for laminated glasses  
generates a break of 10 mm or longer in length in measuring  
a Head Injury Criteria (HIC) value.

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36. The laminated glass according to Claim 1, 2 or 3, wherein the interlayer film for laminated glasses has a sandwiched structure between glass sheets and a thickness of at least one glass sheet is 1.8 mm or smaller.

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37. The laminated glass according to Claim 1, 2 or 3, wherein the interlayer film for laminated glasses is sandwiched between a glass sheet and a transparent resin plate.

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38. The laminated glass according to Claim 37, wherein the transparent resin plate comprises polycarbonate, acrylic resin, acrylic copolymerizable resin or polyester resin.

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39. The laminated glass according to Claim 37 or 38, wherein the transparent resin plate is coated with transparent elastomer.

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40. The laminated glass according to Claim 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38 or 39,

wherein electromagnetic wave shielding performance in frequencies of 0.1 to 26.5 GHz is 10 dB or less, haze is 1% or lower, visible transmittance is 70% or higher, and solar radiation transmittance in a wavelength region of 300 to 2,100 nm is 85% or lower of visible transmittance.

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41. An interlayer film for laminated glasses, which contains a plasticizer for interlayer films in an amount 30 parts by weight or more per 100 parts by weight of polyvinyl acetal resin,

a storage elasticity modulus  $G'$  in a linear dynamic viscoelasticity test, measured with frequencies being

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varied at 20°C in a range of frequencies of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz, is  $3 \times 10^7$  Pa or lower.

42. The interlayer film for laminated glasses  
5 according to Claim 41,  
wherein  $\tan \delta$  of at least one point is 0.6 or more at 20°C in a range of frequencies of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz.

43. The interlayer film for laminated glasses  
10 according to Claim 41 or 42,  
wherein maximum stress  $\sigma$  is 20 MPa or smaller and fracture point deformation  $\epsilon$  is 200% or more, derived from a stress-deformation curve at 20°C and a tensile speed of 500%/min.

15  
44. The interlayer film for laminated glasses according to Claim 43,  
wherein breaking energy is  $1.0 \text{ J/mm}^2$  or larger.

20 45. The interlayer film for laminated glasses according to Claim 41, 42, 43 or 44,  
which comprises a crosslinked polyvinyl acetal resin having an acetalization degree of 60 to 85 mol% and contains a plasticizer for interlayer films in an amount 40  
25 parts by weight or more per 100 parts by weight of the above-mentioned polyvinyl acetal resin.

46. The interlayer film for laminated glasses according to Claim 45,  
30 which has a thickness of 800  $\mu\text{m}$  or more.

47. The interlayer film for laminated glasses according to Claim 41, 42, 43, 44, 45 or 46,  
which comprises a polyvinyl acetal resin, a half band  
35 width of a peak of a hydroxyl group in measuring infrared

absorption spectra being  $250\text{ cm}^{-1}$  or less.

48. The interlayer film for laminated glasses according to Claim 41, 42, 43, 44, 45, 46 or 47,  
5 wherein rubber particles are dispersed.

49. The interlayer film for laminated glasses according to Claim 41, 42, 43, 44, 45, 46, 47, or 48,  
10 which has a multilayer structure.

50. The interlayer film for laminated glasses according to Claim 49,  
which has a two-layers structure, a storage  
elasticity modulus  $G'$  at  $20^{\circ}\text{C}$  and a frequency of  $5.0 \times 10^1$   
15 to  $1.0 \times 10^2$  Hz in one layer being at or below a half of a  
storage elasticity modulus  $G'$  at  $20^{\circ}\text{C}$  and a frequency of  
 $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in the other layer.

51. The interlayer film for laminated glasses  
20 according to Claim 50,  
wherein a storage elasticity modulus  $G'$  at  $20^{\circ}\text{C}$  and a  
frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one layer is  $2 \times$   
 $10^6$  Pa or lower and a storage elasticity modulus  $G'$  at  $20^{\circ}\text{C}$   
and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in the other  
25 layer is  $1 \times 10^7$  Pa or higher.

52. The interlayer film for laminated glasses according to Claim 51,  
wherein the layer having a storage elasticity modulus  
30  $G'$  of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz of  $2 \times 10^6$  Pa or lower at  
 $20^{\circ}\text{C}$  and a frequency has  $\tan \delta$  of 0.7 or more at  $20^{\circ}\text{C}$  and a  
frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz.

53. The interlayer film for laminated glasses  
35 according to Claim 49,

which has a three-layers structure, a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in an intermediate layer being at or below a half of a storage elasticity modulus  $G'$  at 20°C and a  
5 frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two layers composing the outermost layer.

54. The interlayer film for laminated glasses according to Claim 53,  
10 wherein a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in the intermediate layer is  $2 \times 10^6$  Pa or lower and a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two layers composing the outermost  
15 layer is  $1 \times 10^7$  Pa or higher.

55. The interlayer film for laminated glasses according to Claim 54,  
wherein the intermediate layer has  $\tan \delta$  of 0.7 or  
20 more at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz.

56. The interlayer film for laminated glasses according to Claim 53, 54 or 55,  
wherein a thickness of the intermediate layer is 10%  
25 or higher of a total thickness of the interlayer film for laminated glasses.

57. The interlayer film for laminated glasses according to Claim 49,  
30 which has a three-layers structure, a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two layers composing the outermost layer being at or below a half of a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$   
35 to  $1.0 \times 10^2$  Hz in an intermediate layer.

58. The interlayer film for laminated glasses according to Claim 57,

5 wherein a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two layers composing the outermost layer is  $2 \times 10^6$  Pa or lower and a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in the intermediate layer is  $1 \times 10^7$  Pa or higher.

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59. The interlayer film for laminated glasses according to Claim 58,

15 wherein  $\tan \delta$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two layers composing the outermost layer is 0.7 or more.

60. The interlayer film for laminated glasses according to Claim 57, 58 or 59,

20 wherein a total thickness of the outermost layer is 10% or higher of a total thickness of the interlayer film for laminated glasses.

61. The interlayer film for laminated glasses according to Claim 49,

25 which has a multilayer structure of four-layers or more, a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in at least one layer of an intermediate layer being at or below a half of a storage elasticity modulus  $G'$  at 20°C and a frequency of  
30  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two layers composing the outermost layer.

62. The interlayer film for laminated glasses according to Claim 61,

35 wherein a storage elasticity modulus  $G'$  at 20°C and a

frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in at least one layer of the intermediate layer is  $2 \times 10^6$  Pa or lower and a storage elasticity modulus  $G'$  at  $20^\circ\text{C}$  and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two layers  
5 composing the outermost layer is  $1 \times 10^7$  Pa or higher.

63. The interlayer film for laminated glasses according to Claim 62,

wherein the intermediate layer having a storage  
10 elasticity modulus  $G'$  of  $2 \times 10^6$  Pa or lower at  $20^\circ\text{C}$  and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz has  $\tan \delta$  of 0.7 or more at  $20^\circ\text{C}$  and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz.

64. The interlayer film for laminated glasses  
15 according to Claim 62 or 63,

wherein a total thickness of the intermediate layer having a storage elasticity modulus  $G'$  of  $2 \times 10^6$  Pa or lower at  $20^\circ\text{C}$  and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz is 10% or higher of a total thickness of the interlayer  
20 film for laminated glasses.

65. The interlayer film for laminated glasses according to Claim 54, 55, 56, 62, 63 or 64,

wherein the intermediate layer having the storage  
25 elasticity modulus  $G'$  of  $2 \times 10^6$  Pa or lower at  $20^\circ\text{C}$  and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz is biased to the side of either surface layer with respect to the thickness direction of the interlayer film for laminated glasses.

30 66. The interlayer film for laminated glasses according to Claim 49,

which has a multilayer structure of four-layers or more, a storage elasticity modulus  $G'$  at  $20^\circ\text{C}$  and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two  
35 layers composing the outermost layer being at or below a

half of a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in at least one layer of an intermediate layer.

5            67. The interlayer film for laminated glasses according to Claim 66,

             wherein a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two layers composing the outermost layer is  $2 \times 10^6$  Pa or lower  
10           and a storage elasticity modulus  $G'$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in at least one layer of the intermediate layer is  $1 \times 10^7$  Pa or higher.

             68. The interlayer film for laminated glasses  
15           according to Claim 67,

             wherein  $\tan \delta$  at 20°C and a frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz in one or any of two layers composing the outermost layer is 0.7 or more.

20           69. The interlayer film for laminated glasses according to Claim 66, 67 or 68,

             wherein a total thickness of the outermost layer is 10% or higher of a total thickness of the interlayer film for laminated glasses.

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             70. The interlayer film for laminated glasses according to Claim 58, 59, 60, 67, 68 or 69,

             wherein the intermediate layer having the storage elasticity modulus  $G'$  of  $1 \times 10^7$  Pa or higher at 20°C and a  
30           frequency of  $5.0 \times 10^1$  to  $1.0 \times 10^2$  Hz is biased to the side of either surface layer with respect to the thickness direction of the interlayer film for laminated glasses.

             71. The interlayer film for laminated glasses  
35           according to Claim 49, 53, 54, 55, 56, 57, 58, 59, 60, 61,

62, 63, 64, 65, 66, 67, 68, 69 or 70,

which has a multilayer structure of three-layers or more, each layer having wedged form and the layer having wedged form being alternately overlaid with the layer of  
5 wedged having a small storage elasticity modulus  $G'$  taken as an intermediate layer so that an overall thickness becomes uniform.

72. An interlayer film for laminated glasses,  
10 wherein a break of 10 mm or longer in length is generated when an laminated glass is formed by sandwiching the interlayer film for laminated glasses between two glasses and a Head Injury Criteria (HIC) value of the laminated glass is measured.

15 73. The interlayer film for laminated glasses according to Claim 41, 42, 43, 44, 45, 46, 47 or 48, wherein polyvinyl acetal resin contains metal oxide particles having a function of screening out heat rays.

20 74. The interlayer film for laminated glasses according to Claim 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71 or 72, wherein polyvinyl acetal resin of at least one layer  
25 contains metal oxide particles having a function of screening out heat rays.

75. The interlayer film for laminated glasses according to Claim 73 or 74,  
30 wherein the particle of metal oxide is tin-doped indium oxide and/or antimony-doped tin oxide, and the above-mentioned tin-doped indium oxide and/or the above-mentioned antimony-doped tin oxide has an average diameter of secondary particles formed by flocculation of 80 nm or  
35 smaller and is dispersed in polyvinyl acetal resin in such

a way that a secondary particle formed by flocculation of 100 nm or larger in diameter has a density of 1 particle/ $\mu\text{m}^2$  or less in polyvinyl acetal resin.